

Db	QY	61 TCGGAGGACTCACCCTGSCCTCTGTCCTGGCCATGGGCGATGACTTG 115 ATGGCTGCACACTGTGAGATTAGCACATTTCAGCACACTTCTGGCGATGACGCC 174
Db	QY	175 TCGGAGGACTCACCCTGSCCTCTGTCCTGGCCATGGGCGATGACTTG 234
Qy	121 GAACTGACCTCTGAGAACCCCCAGATGTCACTGGAGGGTCAAGAGAGGCCAGCTTG 180	
Db	QY	235 GTACTGACCTCTGAGAACCCCCAGATGTCACTGGAGGGTCAAGAGAGGCCAGCTTG 294
Db	QY	181 GGGGAAACAGCCCCAGTTCTGGTCGAAGAGCAGGTTCTGGACTTGATGCTACAGTG 240
Db	QY	295 GGGGAAACAGCCCCAGTTCTGGTCGAAGAGCAGGTTCTGGACTTGATGCTACAGTG 354
Qy	241 GAGAGAAGAACAGTAGGACCCAAGGCCCATGGACTCTCAGATGTGACATGGATGGCCC 300	
Db	QY	355 GAGAGAAGAACAGTAGGACCCAAGGCCCATGGACTCTCAGATGTGACATGGATGGCCC 414
Qy	301 ACCTCTGCAATTGCCCCCTGAGGAGCTGGCTCTGCTCTGGCTTGGGCTCTGGGCAA 360	
Db	QY	415 ACCTCTGCAATTGCCCCCTGAGGAGCTGGCTCTGCTCTGGCTTGGGCTCTGGGCAA 474
Db	QY	361 CTGGATGCCCCAGCTGCGAGAACCTACTTCAGCTCTGAGCTGAGCTAGTTGGATATT 420
Db	QY	475 CTCCATGCCAGCTGCGAGAACCTACTTCAGCTCTGAGCTGAGCTCAGTGGATATT 534
Qy	421 GACCTGCGAGGATGGCTCATGGCTTCAGAGGCCCTAGACCCAGGGCCTTGGAC 480	
Db	QY	535 GAGCTGCGAGGATGGCTCATGGCTTCAGAGGCCCTAGACCCAGGGCCTTGGAC 594
Qy	481 CAGGGCASCCTCTGCGAGAACCTACTTCAGCTCTGAGCTGAGCTCAGTGGATATT 540	
Db	QY	595 CAGGGCASCCTCTGCGAGAACCTACTTCAGCTCTGAGCTGAGCTCAGTGGATATT 654
Qy	541 CCGGGCAGGGTGGGGAGAGGCCCTCCCTGGAGCTGAGCTCAGGCTTCCACCGAGGG 600	
Db	QY	655 CCGGGCAGGGTGGGGAGAGGCCCTCCCTGGAGCTGAGCTCAGGCTTCCACCGAGGG 714
Qy	601 ACTGGTGCCTCTGGAGCTCCACTCTCTGAGACTGGTGAAGTGACTGGACCTGGAT 660	
Db	QY	715 ACTGGTGCCTCTGGAGCTCCACTCTGAGACTGGTGAAGTGACTGGACCTGGAT 774
Qy	661 CCACATGATGGCAAGCTCTTCCCGAGGATGTTTCTGGACTGGCAAGAGGGGATCC 720	
Db	QY	775 CCCACTGATGGCAAGCTCTTCCCGAGGATGTTTCTGGACTGGCAAGAGGGGATCC 834
Qy	721 AAGCACGGGAAGCGGAAGGAGGGGGCCCGAAGCTGACCAAGAGTACTGGACTGT 780	
Db	QY	835 AACGACGGGAAGCGGAAGGAGGGGGCCCGAAGCTGACCAAGAGTACTGGACTGT 894
Qy	781 CTGGAGGGAAAGAGAGCAAGCACGGGCCAGAGGCCACCTGGAGGTCATCCGG 840	
Db	QY	895 CTGGAGGGAAAGAGAGCAAGCACGGGCCAGAGGCCACCTGGAGGTCATCCGG 954
Qy	841 GACATCCATCCACCGGAGCTCACGGGGCTCATGAAGTGGAGATGGCATGA 900	
Db	QY	955 GACATCCATCCACCGGAGCTCACGGGGCTCATGAAGTGGAGATGGCATGA 1014
Db	QY	901 GGGTCTCTAAGTCTCTGGCTCGAGGGCTGGCCACACTATGGCCAAAGAAAAG 960
Db	QY	1015 GGCGCTCTAAGTCTCTGGCTCGAGGGCTGGCCACACTATGGCCAAAGAAAAG 1074
Qy	961 AACAGCAACATGACCTTACCGAGAACGTCAGAAGGGCTCATGAAGTGGAGATGGCATGA 1020	
Db	QY	1075 AACAGCAACATGACCTTACCGAGAACGTCAGAAGGGCTCATGAAGTGGAGATGGCATGA 1134
Qy	1021 ATCTGGAAAGGGGGATGCGGGGACTCTGCTACAGTTGGCAAACACTCAAGGGC 1080	
Db	QY	1135 ATCTGGAAAGGGGGATGCGGGGACTCTGCTACAGTTGGCAAACACTCAAGGGC 1194
Qy	1081 TCGAAGGAGGAAGGGTCTTCAGAGCTGCTACAGTTGGCAAACACTCAAGGGC 1116	
Db	QY	1195 TCGAAGGAGGAAGGGTCTTCAGAGCTGCTACAGTTGGCAAACACTCAAGGGC 1230

RESULT 2
 US-09-0099-913-2
 ; Sequence 2, Application US/09009913
 ; Patent No. 6087485
 ; GENERAL INFORMATION:
 APPLICANT: AYS Pharmaceuticals, Inc.
 TIME OF INVENTION: Asthma Related Genes
 NUMBER OF SEQUENCES: 339
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Bozicevic & Reed, LLP
 STREET: 285 Hamilton Ave, Suite 200
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94301
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/0099, 913
 FILING DATE: 21-JAN-1998
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Sherwood, Pamela J
 REGISTRATION NUMBER: 36, 577
 REFERENCE/DOCKET NUMBER: SEQ-4P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-327-3231
 TELEFAX: 650-327-3231
 TELEX:
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 5427 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 ;
 US-09-0099-913-2

Query Match 15.6%; Score 173.8; DB 3; Length 5427;
 Best Local Similarity 69.7%; Pred. No. 4.4e-35;
 Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY	Db	Start	End	Sequence
QY	758	TGACCAAGAGTACTGGACTCTCGAGGGAGAAGAGCACACGGCCAGAGCC	817	
QY	709	TGAAAAGGAGCAAGCCCCCGGCCAACGGCACACAAAGCACACGGAGAGGA	768	
QY	818	CCCACTCTGGGAGTCAGCCGGACATCTCAGCCACCCGGAGCTCACGAGGCC	877	
QY	769	CTCACTATGGATTCTCATCCGGACATCTCTTGACCCAGAACGAGCCAGGATTAA	828	
QY	878	TGAGTGGAGATCGGCATGGCTCTCAAGTCTGGCCTCCGAGGCGTGGCC	937	
QY	829	TAAATGGAGACCGATCTGAGGGCTTCAGGTCTTGAAATCAGGGCAGTGGCTC	888	
QY	938	AACATATGGGCCAAAGAAAGAACAGCAACATGACCTACGAGGTGAGCGGGCCA	997	
QY	889	AGCTATGGGTAAGAAGAACAGCAGCAGCATGACCTATGAAAGCTCAGCGACCA	948	
QY	998	TGAGTGGTACTACTCAAAGGGACATCCGAGGGTGAATGCCGCGACTCGTCA	1057	
QY	949	TGAGTATTTACTACAAAGAGAACATCTGAGCGTGTGATGGACGAAGACTGTATA	1008	
QY	1058	AGTTGGCAAACCTCAAGGGCTGGAGGAGA 1094		

Db 1009 AATTGGAAAGATGCCGAGGATGGAGAAAATGA 1045
 RESULT 3 ; Sequence 3, Application US/09009913
 ; Patent No. 6087485
 ; GENERAL INFORMATION:
 ; APPLICANT: AXXS Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: Asthma Related Genes
 ; NUMBER OF SEQUENCES: 339
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Bozicevic & Reed, LLP
 ; STREET: 285 Hamilton Ave, Suite 200
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94301
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/009, 913
 FILING DATE: 21-JAN-1998
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Sherwood, Pamela J
 REGISTRATION NUMBER: 36, 677
 REFERENCE/DOCKET NUMBER: SEQ-4P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-327-3231
 TELEX:
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 5510 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 US-09-009-913-3

Query Match Best Local Similarity 15.6%; Score 173.8; DB 3; Length 5510;
 Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Oy 758 TGAGCAAAAGAGACTGGACTCTCTCGAGGCCAGAGCAAGCAGGCCAGAGCA 817
 Db 792 TGAATAGGAGGAGACCCCTGGCCAGTCACACCAAAAGCACACCCGGAGGA 851
 Oy 818 CCCACCTGTGGAGTTCATCCGGACATCCATCCACCCGGAGCTAACGGGGCTCA 877
 Db 852 CTCAATTGGAATTCATCCGGACATCCCTTGAAAGACAGAACCCAGGATTA 911
 Qy 878 TGAGTGGAGATCGCATGAGGCCTCTCAAGTGTGGCTGGAGGTGGCCC 937
 Db 912 TAAATGGAGACGCTGTGGCTCTCAGTGTGGATTCAGGGCTGGCTC 971
 Qy 938 AACATATGGGCCAAGAAAGAACAGAACATGAGCTAGGAGACTGAGGA 997
 Db 972 AGCTATGGGATAAAAGAGAACACAGCAGCATGACCTATAAAGCTCAGCTAGCA 1031
 Qy 998 TGAGGTACTACTACAAACGGGAGTCCTGGAAACGGGGATGCCCGCGACTCGTACA 1057
 Db 1032 TGAGTATTTACTACAAAGAGAACATGGAGCTGGATGGAGCAAGACTGGTATA 1091
 Qy 1058 AGTTGGCAAAGACTCAGCGCTGGAGAGAGA 1094

Db 1092 AATTGGAAAGATGCCGAGGATGGAGAAAATGA 1128
 RESULT 4 ; Sequence 4, Application US/09009913
 ; Patent No. 6087485
 ; GENERAL INFORMATION:
 ; APPLICANT: AXXS Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: Asthma Related Genes
 ; NUMBER OF SEQUENCES: 339
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Bozicevic & Reed, LLP
 ; STREET: 285 Hamilton Ave, Suite 200
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94301
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/009, 913
 FILING DATE: 21-JAN-1998
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Sherwood, Pamela J
 REGISTRATION NUMBER: 36, 677
 REFERENCE/DOCKET NUMBER: SEQ-4P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-327-3231
 TELEX:
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 5667 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 US-09-009-913-4

Query Match Best Local Similarity 15.6%; Score 173.8; DB 3; Length 5667;
 Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Oy 758 TGACCAAGAGACTGGACTCTCTCGAGGCCAGAGCAACCCGGAGGA 817
 Db 949 TGAATAGGAGGAGACCCCTGGCCAGTCACACCAAAAGCACACCCGGAGGA 1008
 Qy 818 CCCACCTGTGGAGTTCATCCGGACATCCATCCACCCGGAGCTAACGGGGCTCA 877
 Db 1009 CTCAATTGGAATTCATCCGGACATCCCTCTGAAAGACAGAACCCAGGATTA 1068
 Qy 878 TGAGTGGAGATCGCATGAGGCCTCTCAAGTGTGGCTGGAGGTGGCCC 937
 Db 1069 TAAATGGAGACGCTGTGGCTCTCAGTGTGGATTCAGGGCTGGCTC 1128
 Qy 938 AACATATGGGCCAAGAAAGAACAGAACATGAGCTAGGAGACTGAGGA 997
 Db 1129 AGCTATGGGATAAAAGAGAACACAGCAGCATGACCTATAAAGCTCAGCTAGCA 1188
 Qy 998 TGAGGTACTACTACAAACGGGAGTCCTGGAAACGGGGATGCCCGCGACTCGTACA 1057
 Db 1189 TGAGTATTTACTACAAAGAGAACATGGAGCTGGTGTGATGGACGAGACGGTATA 1248

QY 1058 ACTTGCCAAACTCAAGCGCTGGAGGAGAAGA 1094
; Sequence 338, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: AXXS Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009, 913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 338:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 848 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..848
; OTHER INFORMATION:
; US-09-009-913-338

RESULT 5
US-09-009-913-338
; Sequence 338, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: AXXS Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009, 913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-8

Query Match 14.6%: Score 162.6; DB 3; Length 848;
Best Local Similarity 72.7%; Pred. No. 1..7e-32; Indels 0; Gaps 0;
Matches 210; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 758 TGAGCAAAGACTACGGACTGTCTCGAGGCCAAGAGACCAGCAGGCCAGAGCA 817
; Db 560 TGAAGAAGGAGCAAGACCCACCCGTGTAAGTGCATCCACCAAAAGACAACCAAGAGCA 619
; Qy 818 CCCACCTGTGGAGTCATCGGGCATCTCATCCACCCGAGGCTAACCGGGCTCA 877
; Db 620 CTCACATTATGGAGCTTCATCCGAGACATTCTCTGAGCCAGACAGAACCCAGGCTGA 679
; Qy 878 TGAATGGGAAATCGCATGAGGCCAGGGCTTCAGGAGATCGGAGCTCGAGGAGCT 937
; Db 680 TCAATGGGAGACCCSTCGGAAGGAGCTTCAGGAGCTTCAGAAGCTGTGCTC 739
; Qy 938 AACATGGGCCAAAGAAGAACAGCACATGAGCTAGAGAGCTGAGCCGGCA 997
; Db 740 AGCTGTGGGAAAGAAAATAACAGTAGCATGACATACAGGAGCTAGCCGGCTA 799

RESULT 6
US-09-009-913-8
; Sequence 8, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: AXXS Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009, 913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-8

Query Match 9.1%: Score 101.2; DB 3; Length 2280;
Best Local Similarity 61.7%; Pred. No. 9e-17; Indels 0; Gaps 1;
Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;

QY 808 CCCAGGGCACCCACCTGTGGAGTCATCGGGCATCTCATCCACCCGAGCTCA 867
; Db 548 CTCCAAGTTTCATCATPATGSGAATTGTAGGAGCTGTCTATCTCCGAGAAC 607
; Qy 868 GAGGGCTCATGAGTGGAGAATCGGCATCGAGCTCAAGTTCCTCGCTCCGAG 927
; Db 608 TGTGGCATTCGGAATGGGAGATAGGGACAGGAAATTTCGGTGTAAATCGGA 667
; Qy 928 GCTGTGGCCCAACTATGGGCCAAAGAAGAACAGCACATGAGCTAGGAGCTG 987
; Db 668 GCCTGCAAGATGTTGGGAGAACAGAACATGAGCTAGGAGCT 727
; Qy 988 AGCCGGCCATGAGGACTACTACAAACGGGAGATCTGGACGGGTGGATGCCGGCA 1047
; Db 728 AGCAGAGCCCTGAGATACTACTATAAACAGGAATTTGGAGGGT--TGACCGAAG 784
; Qy 1048 CTCGTCTACAGTTGGCCAAACTCAAGCGCTGGAGAGGAGAGGT 1097

Db

785 TTAGTGTACAATTGGAAATGGCACACGGTGGCAGGAGAACGCT 834

RESULT 7

US-09-009-913-6

; Sequence 6, Application US/09009913

; Patent No 6087485

; GENERAL INFORMATION:

; APPLICANT: AXXS Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma Related Genes

; NUMBER OF SEQUENCES: 339

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Bozicevic & Reed, LLP

; STREET: 285 Hamilton Ave, Suite 200

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94301

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009, 913

; FILING DATE: 21-JAN-1998

; CLASSIFICATION:

; PRIORITY APPLICATION DATA:

; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J

; REGISTRATION NUMBER: 36,677

; REFERENCE/DOCKET NUMBER: SEQ-4P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-327-3231

; TELEX:

; FAX:

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2428 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLogy: linear

; MOLECULE TYPE: cDNA

; US-09-009-913-6

; Query Match 9.1%; Score 101.2; DB 3; Length 2428;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; Query Match 9.1%; Score 101.2; DB 3; Length 2498;
; Best Local Similarity 61.7%; Pred. No. 9 2e-17; DB 3;
; Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J

; REGISTRATION NUMBER: 36,677

; REFERENCE/DOCKET NUMBER: SEQ-4P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-327-3231

; TELEX:

; FAX:

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2498 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLogy: linear

; MOLECULE TYPE: cDNA

; US-09-009-913-10

RESULT 8

US-09-009-913-10

; Sequence 10, Application US/09009913

; Patent No. 6087485

; GENERAL INFORMATION:

; APPLICANT: AXXS Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma Related Genes

; NUMBER OF SEQUENCES: 339

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Bozicevic & Reed, LLP

; STREET: 285 Hamilton Ave, Suite 200

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94301

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009, 913

; FILING DATE: 21-JAN-1998

; CLASSIFICATION:

; PRIORITY APPLICATION DATA:

; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J

; REGISTRATION NUMBER: 36,677

; REFERENCE/DOCKET NUMBER: SEQ-4P

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-327-3231

; TELEX:

; FAX:

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2498 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLogy: linear

; MOLECULE TYPE: cDNA

; US-09-009-913-10

; Sequence 1, Application US/09213767

; GENERAL INFORMATION:
 ; APPLICANT: Brenda F. Baker
 ; TITLE OR INVENTION: ANTISENSE MODULATION OF ELK-1 EXPRESSION
 ; FILE REFERENCE: RTS-0024
 ; CURRENT APPLICATION NUMBER: US-09/213,767
 ; CURRENT FILING DATE: 1998-12-17
 ; NUMBER OF SEQ ID NOS: 47
 ; SEQ ID NO 1
 ; LENGTH: 2266
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: CDS
 ; LOCATION: (316)..(1602)
 ; US-09-213-767-1

Query Match 6.6%; Score 73.4; DB 1; Length 2975;
 Best Local Similarity 52.8%; Pred. No. 1.1e-09; Mismatches 0;
 Matches 158; Conservative 0; MisMatches 141; Indels 0; Gaps 0;

QY 817 ACCACACCTGGGAGTCATCGGAAATCCATCCACCGAGCTAACGGGCCCTC 876
 Db 527 ACCTATTTGGGATTTCTTATGACTACTCAAGATAAAATCTGTGCCAGGT 586

QY 877 ATGAAGTGGAGAATTCGCATCGGAAATCCATCCACCGAGCTAACGGGCCCTC 936
 Db 587 ATTAATAGACTCAGAGAGAAAAGGCATATTCAGCTGGTGATTCAAAGGCTGTCT 646

QY 937 CAACTATGGGCCAAGAAGAAAGAACGACAATGACCTAGAGAAGCTGAGCCGGCC 996
 Db 647 AAGCTTGGAAAGCATAAAGACAACAGACGACTGACATGAAACATGGACAGCT 706

QY 997 ATGAGGTTACTACAAACGGGAGATCTGGACGCGGAGGATGGCCGGAGCTAC 1056
 Db 707 TTGAGACTACTACCAAAAGGGGATCTTGCAAAGGTTGAGGACGAGGCTTGTAT 766

QY 1057 AAGTTTGCAAAACTCAAGCGCTGAGGAGAGAGGTTCTCCAGAGCTGGAACTG 1115
 Db 767 CAGTCAGGATATGCCGAAACATAGTGGTCATAGATGACAAAGTGAACCTG 825

RESULT 10
 US-08-368-281-1
 ; Sequence 1, Application US/08368281
 ; Patent No. 5721113

GENERAL INFORMATION:
 APPLICANT: Libermann, Towa A
 APPLICANT: Oettgen, Joerg P
 APPLICANT: Kunsch, Charles A
 TITLE OF INVENTION: NERF Genes
 NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
 ADDRESSEE: SmithKline Beecham Corporation
 STREET: 709 Swedeland Road
 CITY: King of Prussia
 STATE: Pennsylvania
 COUNTRY: USA
 ZIP: 19406

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/368,281
 FILING DATE:
 CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
 NAME: Baumeister, Kirk
 REGISTRATION NUMBER: 33,833
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-270-5096
 TELEFAX: 610-270-5090

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2975 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 US-08-368-281-1

RESULT 11
 US-08-368-281-3
 ; Sequence 3, Application US/08368281
 ; Patent No. 5721113

GENERAL INFORMATION:
 APPLICANT: Libermann, Towa A
 APPLICANT: Oettgen, Joerg P
 APPLICANT: Kunsch, Charles A
 TITLE OF INVENTION: NERF Genes
 NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
 ADDRESSEE: SmithKline Beecham Corporation
 STREET: 709 Swedeland Road
 CITY: King of Prussia
 STATE: Pennsylvania
 COUNTRY: USA
 ZIP: 19406

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/368,281
 FILING DATE:
 CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
 NAME: Baumeister, Kirk
 REGISTRATION NUMBER: 33,833
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-270-5096
 TELEFAX: 610-270-5090

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3240 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA

US-08-368-281-3

Db 733 ctgcgtactactacgacaaaacatcatggcaggcacggcaagcgtacgcctac 792

Query Match 6.6%; **Score** 73.4; **DB 1;**
Best Local Similarity 52.8%; **Pred.** No. 1.le-09; **Length** 3240;

21 103, 103, 103

QY 817 ACCCACCTGTGGGAGTTCATCCGGACATCCCTCATCACCAGGAGCTCACCGAGGGCTC 876

RESULT 13
HS-09-344-579-1

QY 877 ATGAACTGGGAGAATGGCAGTGAAGGCGTCAGTCAGTCAACATTAATAAACATCTTGTCAGGTT 8511

Sequence 1, Application US/093445,9
Patent No. 6043116
GENERAL INFORMATION:
PCT/US00/03445
PCT/US00/03445
PCT/US00/03445

Qy	937	CAACTATGGCCAAAAGAAAGAACGCAACATGACTTACGAGAAGCTGACCGGGCC	996
Db	912	AAGCTTGGGAAGCATAGAACGACATGAAACATTGAAACCTGGGACGACT	971
Qy	997	ATGAGGTACTACTAAAGGGGATCCUUGAACGGGGATGCGCGCGACTGTCAC	1056
Db	972	TTGAGATACTACTACCAAGGGGATTCTGCAAAAGGTGAAGACAGAGCAGCTTGATAT	1031
Qy	1057	AAGTTGGCCAAACTCAAGGGCTGGAGGAGGAGGAGGTTCTCCAGAGTCCGAACCTG	1115
Db	1032	CAGTCGAATGAGCCAAAAATAGTGCTATGATGATGACAACAGTGAACTG	1090

US-09-344-579-1

05-09-380-1/9-1
Sequence 1 Application #S-008360778

GENERAL INFORMATION:
APPLICANT: Deniris, Evan S.
APPLICANT: Fyodorov, Dmitry V.
APPLICANT: Hendricks, Timothy J.
TITLE OF INVENTION: Reagents and Methods for the Screening of Compounds Useful in the Treatment of Neurological Diseases

	QY	888	GAATGGCGTCTGAGGCGCTCTCAAGTTCTCGCTCGGCTGGACGCTGGCCAACTATGGG	947
Db	1442	gactggagaggatggggatgttaaagctcgccgcacccgttaggttgccggctgtgggg	1501	
QY	948	CCAAAGAAAAAGAACGACACATGATCTACGAGAAGCTGAGCCGGCCATGAGGTACTA	1007	

CURRENT APPLICATION NUMBER: US09/1752
CURRENT FILING DATE: 1998-07-26
EARLIER APPLICATION NUMBER: 60/123456
EARLIER FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
TENCHU, 1752

Db	1502	aaagaggaaaaataagccaaatcagaactacgagaatgttggccggggtaaqtacca
QY	1008	CTACAAACGGGGATCCCTGGAACGGGRRGGATGCCCGGGACTCTCTACAAAGTTTG
Db	1562	ttacgacaagacatcatccacaagaatcgctcgggaaatcgcttacgcgttcg

T-674-093-60-50

Query Match 6.0%; Score 66.6; DB 4; Length 1752;
 Best Local Similarity 59.8%; Pred. No. 5e-08;
 Matches 149; Conservative 0; Mismatches 94; Indels 6; Gaps 2;

Best Local Similarity 59.8%; Pred. No: 5e-08; Length 152;
 Matches 149; Conservative 0; Mismatches 94; Indels 6; Gaps 2;
 APPLICANT: Reuter, Marilie
 APPLICANT: Plougasstel, Beatrice
 APPLICANT: Thomas, Gilles
 APPLICANT: Zuchman, Jessica
 TITLE OF INVENTION: NUCLEIC ACID CORRESPONDING TO A GENE OF CHROMOSOME 22 INVOLVED IN RECURRENT CHROMOSOMAL TRANSLATIONS ASSOCIATED WITH THE DEVELOPMENT OF CANCEROUS TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SAID TRANSLocations
 NUMBER OF SEQUENCES: 129

ADDRESS: Weiser & Associates
SUBJECT: 230 South Fifteenth Street
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: AEDIT 1.0 DOS text editor
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/343,443B
 FILING DATE: 18-NOV-1994
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/FR93/00494
 FILING DATE: 19-MAY-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: FR 92/06123
 FILING DATE: 20-MAY-1992
 ATTORNEY /AGENT INFORMATION:
 NAME: Weiser, Gerard J.
 REGISTRATION NUMBER: 19,763
 REFERENCE/DOCKET NUMBER: 989, 6121P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-875-8383
 TELEFAX: 215-875-8394
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2938 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 143..1498
 08-343-443B-3

Query Match 5.7%; Score 63,4; DB 2; Length 2938;
 Best Local Similarity 59.0%; Pred. No. 3.8e-07; Indels 0; Gaps 147; Mismatches 96; Type:保守型
 817 ACCCACCTGGGAGTCATCGGGACATCCCATCACCAGGGAGCTAACGGGGCTC 876
 983 ATCCAGCTGTGGCAATTCTCTGGACCTGCTCCACAGGG---CCAACSCAGCGT 1039
 877 ATGAGAGTGGAGACATCGCGATGAGGGCTCTCAAGT^{AGT}TCTGGCTCGAGGGTGTGCC 936
 1040 ATCACCTGGAG--GGGACCAACGGGAGTCACATGACGGACCCGGATGGGTGCC 1096
 937 CAACTA^GGGGCCAAAGAAAAGAGAGACGACATGACTTAGGAGAGCTGAGCCGCC 996
 1097 AGGGCGTGGGGAGCGGAARAACGCAAGCCCACATGATTGACAAGCTGAGCCGCC 1156
 997 ATGAGTACATACAAAGGGAGATCTGGAGGGGAGCTGGCTAC 1056
 1157 CTCCGTTATTACTATGATAAAACATATTGACCAAATGACGGCAAGATATGCTAC 1216
 1057 AAGTGGC 1065
 1217 AATTTGAC 1225

ULT 15
 08-469-112A-1
 sequence 1, Application US/08469412A
 agent No. 5856125

GENERAL INFORMATION:
 APPLICANT: Mavrothalassitis, George J.
 APPLICANT: Blair, Donald G.
 APPLICANT: Fisher, Robert J.
 APPLICANT: Beal Jr., Gregory J.
 APPLICANT: Athanasiou, Metopi A.
 APPLICANT: Sgouras, Dionyios N.
 TITLE OF INVENTION: The ERF Genetic Locus and Its Products
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/469,412A
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Garrett-Wackowski, Eugenia
 REGISTRATION NUMBER: 37,330
 REFERENCE/DOCKET NUMBER: 015280-229000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2667 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 123..1769
 OTHER INFORMATION: /note= "human ERF (ETS2 Repressor Factor) cDNA"
 ; US-08-469-412A-1

Query Match 5.4%; Score 59.8; DB 2; Length 2667;
 Best Local Similarity 55.9%; Pred. No. 3e-06; Indels 6; Gaps 137; Mismatches 102; Type:保守型
 Qy 817 ACCCACCTGGGAGTCATCGGGACATCCCATCACCAGGGAGCTAACGGGGCTC 876
 Db 201 ATCCAGCTGTGGCAATTCTCTGGACCTGCTCCACAGGG---CCAACSCAGCGT 260
 Qy 877 ATGAGAGTGGAGACATCGCGATGAGGGCTCTCAAGT^{AGT}TCTGGCTCGAGGGTGTGCC 936
 Db 261 GCCTGGCAGGGGACTACGGGAATTCTGTCATCAAAAGACC-----CTGATGAGGGTGGCC 314
 Qy 937 CAACTATGGGCCAAAGAAAAGAGAGACGACATGACTTAGGAGGGGAGCTGGCTAC 996
 Db 315 CGCTGTTGGGGCTTGCAGTGCAGGCCAGATTAACGACAAGCTGAGCGGGGCC 374
 Qy 997 ATGAGTACATACAAAGGGAGATCTGGAGGGGAGCTGGCTAC 1056
 Db 375 CTGGCTTATRACTATRACAGCGCTTCTGCACAGAACGACAGGGAACGGTCACTAC 434
 Qy 1057 AAGT 1061
 Db 435 AAGT 439

Search completed: September 23, 2001, 07:40:45
 Job time: 16305 sec

